

# Recovery Plan Action Status

Plan Name: American Hart's-tongue Fern

Plan Status: Final

Plan Date: 15-Sep-93

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(931)

528-6481 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	1	Develop research/management plans	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Conservation Agencies, U.S. Fish and Wildlife Service, Refuge Division, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4, Michigan Nature Association	Management: Planning	Species Expert	** For all tasks containing in the 'Responsible Parties' field SCA - State Conservation Agencies, including the following: Alabama Natural Heritage Program, New York Department of Environmental Conservation, New York Office of Parks, Recreation and Historic Preservation, Michigan Natural Features Inventory, and Tennessee Department of Environment and Conservation
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	2	10	Search for new populations	Ongoing Current	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Other Information	Species Expert	
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	2	11	Characterize populations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Demographic Studies	Species Expert	

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American hart's-tongue fern (Asplenium scolopendrium var. americanum)	2	12	Determine effects of disturbance	Ongoing Not Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4, Michigan Nature Association	Work type not yet selected	Labor type not yet selected	
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	2	13	Reestablish populations, if necessary	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Center for Plant Conservation, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Management: Propagation	Species Expert	No additional costs
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	2	14	Assess recovery success	Ongoing Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Population Surveys	Internal Administrative	No additional costs
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	3	15	News releases/brochures	Ongoing Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Public Affairs, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Other: Information and Education	Species Expert	

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American hart's-tongue fern (Asplenium scolopendrium var. americanum)	3	16	Prepare articles	Ongoing Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Public Affairs, U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Other: Information and Education	Species Expert	No additional costs
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	2	Determine priorities	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Other Information	Species Expert	
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	3	Implement protection	Ongoing Current	FY 1995 - FY 1999	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Conservation Agencies, U.S. Fish and Wildlife Service, Refuge Division, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4, Michigan Nature Association	Other: Law Enforcement	Internal Technical Assistance	Doesn't include acquisition costs
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	4	Study habitat	Partially Complete	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Habitat Requirements	Species Expert	Expansion of work conducted in New York

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American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	5	Demographic and genetic studies	Partially Complete	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Research: Demographic Studies	Species Expert	Combine with Task 2.2
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	6	Define self-sustaining and buffer areas	Ongoing Not Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	7	Implement management	Ongoing Current	FY 1995 - FY 1999	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Conservation Agencies, U.S. Fish and Wildlife Service, Refuge Division, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4, Michigan Nature Association	Management: General	Species Expert	
American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	8	Protect genetic material	Complete	Prior to FY 1995	FY 2006	U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, State Conservation Agencies, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Other	Species Expert	

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American hart's-tongue fern (Asplenium scolopendrium var. americanum)	1	9	Enforce laws	Ongoing Current	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, State Conservation Agencies, U.S. Fish and Wildlife Service, Refuge Division, Regional Office 5, USFWS Regional Office 3, USFWS Regional Office 4	Other: Law Enforcement	Internal Technical Assistance	No additional costs